

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Wasko	Examiner:	UNKNOWN
Serial No.:	TO BE ASSIGNED	Group Art Unit:	TO BE ASSIGNED
Filed:	June 5, 2001	Docket No.:	930.328USW1
Title:	TRANSMITTER USING FREQUENCY HOPPING FOR MOBILE COMMUNICATIONS SYSTEMS		

CERTIFICATE UNDER 37 C.F.R. 1.10:

'Express Mail' mailing number: EL733007853US

Date of Deposit: June 5, 2001

The undersigned hereby certifies that this Transmittal Letter and the paper or fee, as described herein, are being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

By: Lee Thao

Lee Thao

PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

ABSTRACT

Please insert the attached abstract into the application as the last page thereof.

CLAIMS

Please delete claims 1-8 as follows. Please enter new claims 9-17 as follows.

A clean copy of the entire set of claims is included below.

9. (NEW) A transmitter for transmitting RF data in an RF communication network using a plurality of carrier frequencies, said RF data being represented by an information signal at a selectable carrier frequency, the transmitter comprising:

a data splitter arranged to receive said information signal modulated onto an intermediate frequency lower than the carrier frequency; and

two transmitter paths each having an input connected to the data splitter and each having a frequency converter arranged to upconvert the intermediate frequency modulated signal to a respective carrier frequency, the carrier frequency being individually selectable for each transmitter path, the transmitter being configured such that for each of the two transmitter paths, when an information signal is being transmitted on that transmitter path, the carrier frequency for transmission on the other transmitter path is being selected, such that, in each case, the carrier frequency being selected for a channel is distinct from a previous carrier frequency at which that channel is transmitted.

10. (NEW) A transmitter according to claim 9, wherein each transmitter path includes preset attenuation means located to attenuate the upconverted information signal prior to transmission.

11. (NEW) A transmitter according to claim 9, wherein each transmitter path includes an amplifier located to amplify the upconverted, optionally attenuated, information signal prior to transmission.

12. (NEW) A transmitter according to claim 9, wherein each transmitter path includes adjustable attenuation means for attenuating the upconverted information signal prior to transmission.

13. (NEW) A transmitter according to claim 9, which comprises a power combiner, each transmitter path having an output connected to the power combiner.

14. (NEW) A transmitter according to claim 12, which comprises power control means for controlling the adjustable attenuation means.

15. (NEW) A transmitter according to claim 9, wherein each frequency modulator comprises a frequency generator and a signal mixer.

16. (NEW) A transmitter according to claim 9, wherein the RF data is transmitted as a sequence of time slots, the data splitter being controllable to supply the information signal of one time slot on one of the transmitter paths, and the information signal of a subsequent time slot on a subsequent transmitter path.

17. (NEW) A method for transmitting RF data in an RF communication network using a plurality of carrier frequencies, the method comprising the steps of:
receiving in a first time slot an information signal modulated at an intermediate frequency lower than a carrier frequency on which said information signal is to be transmitted;

selecting said carrier frequency for transmission and upconverting the intermediate frequency to said carrier frequency;

transmitting said information signal on a first transmitter path using said carrier frequency; and

at the same time, tuning a second transmitter path to a second carrier frequency to be used for transmission of an information signal in a second time slot.

REMARKS

The above preliminary amendment is made to insert an abstract page into the application and to enter new claims 9-17.

Applicant respectfully requests that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

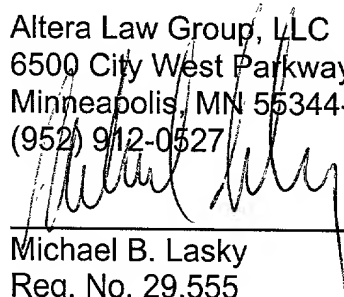
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicant's attorney of record, Michael B. Lasky at 952-912-0527.

Respectfully submitted,

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Date: June 5, 2001

By:



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